

ABSTRACT

[47] Encoding and decoding of video and non-video information may include creating a second symbol from a first codeword. TERC4, TMDS and/or a guard band symbols may be generated from a portion or all of the second symbol during transmission. The TMDS symbol and/or the guard band symbol may be encoded so that they may be combined within a single symbol. At least a portion of the first codeword may be TMDS encoded to generate a TMDS symbol for transmission. TMDS encoding of at least a portion of the second symbol may also generate a TERC4 symbol and/or a guard band symbol for the transmitted signal. The second symbol and the first codeword may be generated from a portion or all of a received signal. The first codeword may be a 4-bit pre-TERC4 codeword, while the second symbol may be an 8-bit pre-TMDS symbol.